```
===============================================================
Sequence Listing was accepted.
If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).
Reviewer: markspencer
Timestamp: Wed Jun 06 14:31:50 EDT 2007
===============================================================
```

Application No: 10553459   Version No: 1.0

Input Set:

Output Set:

```
            Started:  2007-06-05 17:17:18.998
           Finished:  2007-06-05 17:17:19.442
            Elapsed:  0 hr(s) 0 min(s) 0 sec(s) 444 ms
     Total Warnings:  4
       Total Errors:  0
No. of SeqIDs Defined:  8
   Actual SeqID Count:  8
```

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)

<110> HALLENBECK, PAUL
      HAMPTON, GARRET
      HAY, CARL
      HUANG, YING
      JAKUBCZAK, JOHN
      PHIPPS, SANDRINA

<120> FLAP ENDONUCLEASE 1 (FEN1) REGULATORY SEQUENCES AND
      USES THEREOF

<130> 3802-165-27 CONT

<140> 10553459
<141> 2007-06-05

<150>   10/553,459
<151>   2004-04-15

<150> PCT/US04/11622
<151> 2004-04-15

<150> 60/463,148
<151> 2003-04-15

<160> 8

<170> PatentIn Ver. 3.3

<210> 1
<211> 2259
<212> DNA
<213> Homo sapiens

<400> 1
catgcggtta tcaaggagcc tggtgctgcc gtgaaacaga ggctgatttt agcccggaaa 60
tgtagctgca gatcaatggc ccttattagc attttctgag gccaataatc tgaccactat 120
gaaaacgtga ctaaaggtac gaactctctg cctgagaaaa accacataca agaaaaagtt 180
tgcctacaat ttccggagct ttgtggacca gtgtctatag acaccaagct gagaaccccc 240
gctataagtc actgactggt ggtacccaga tctcaatatc tttttttttt gacggagtct 300
cattttttgg acggcgtctc actctgtcgc ccgggctgga gggcagtggc acgatctcgg 360
ctcactgcaa cctctgcctc ccgggttcta gagattctca tacctcagcc tctcgagtag 420
ctgggactat aggattacag gtgcgcacca ccacatctaa tttttgtatt tttagtagag 480
atggggtttt gccatgctgg ccaggatggt cttgaattcc tgacctcagg tgatctgcct 540
gcctcggcct cccaaagtac tgagattaca ggtgtgagtt gccgcgccca ggctcaattt 600
tttttttttt ccagacagtc ttgctctatc gcccaggctg gagtgcctgg agtgcagtgg 660
tgccaactcg gctcactgca agctccgcct tctgggttca agtgattatc ctgcctcagc 720
ctcccgagca gctgggatta caggtgtgaa ccaccatgcc cggctaattt tttgtatttt 780
taggagagac agggtttcac cttgctggcc aggctggtct tgaacttctg acctcctgat 840
ccgctcgcct cagcctccca aagtgctggg attacaggag tgaaccaccg cgcctggccc 900
tcaatttcta attcagtatt ttcctcacta cctatgctat tatggaatct tgtgagctat 960
ggtcaagaca ttcaagttct ggttctgagt aatctgagtc tgagtaaagc gactgtaata 1020
tctatttcac agaactgaaa aataagaaag atgatgaatc aaagcatcta gtgcctagca 1080
gggagtattt tgctcaacag gtatttgctt ccttcctaag gctgtaggga agatgatgag 1140
ataatgtctt ttatgaaaga gggctgtaaa cgtaaagatc tgtacaaatg ttaacttcat 1200
tgtcaccggt cagccaatgc ttctaaaatc cagaacataa caactctaga gaagtaaact 1260

```
gcccccattg ttctgagaca ctggaattca attcagtaaa caatcacggc ccccttcccc 1320
caaaatgata aagacaatca ctgccattta ttgagcttcc aattacgggc cctctgtttg 1380
gcactgagaa tacaaagatg aatagacatc atcccagagc tagatgcgcg tcagacggtg 1440
gtcactagga ggcgtggccg aaaacaaaga agtccatgga acgtggccag agatctgtac 1500
agaggctgtg ggcgctccta ggaaagtctg gccaagtgcc tgagagttgg aagtgcttca 1560
ccaataaaca tttgcccagg gcattgtagg atgggcacgg gttcggcaga agaactttcc 1620
aaataaagat aacacaccac cgataacaga gatatacaaa ctggaaggta ttcaaaattc 1680
gccccacgcc tctcgccctt agaaatcgcg agctgagaaa cctaaggagt tcatggcaag 1740
gggcttcccc cttcccacc cttcagccca agccggaggt tccaggagcg tctagccctc 1800
tggatctccg gcgtctgagg agataagcgc ggtgtgggtc agaccccgag gggtcctcgc 1860
atctccgtct ggaactcccc tcaacgctct caccattttg ccccgcgaag gctaatccgc 1920
cgctccgcca ccggaagaac acgtcgacag gagcaggcgc ctagcacaac cggaaaagga 1980
agtgcctccg gcgcaagtgg cattgaggga cttgtagtcc tgcgatttcg ggtgtagagg 2040
gagcaggggc ctgcggggac ctggtgtggg tggagtgggg acaagcggtg gagaagggta 2100
cgccagggtc gctgagagac tctgttctcc ctggagggac tggttgccat gagagcagcc 2160
gtctgagggg acgcagcctg cactacgcgc cccaagaggc tgtgcgtggc gagcaggtca 2220
cgtgacggga gcgcgggctt tggaaggcgg ctgaacgtc                         2259


<210> 2
<211> 239
<212> DNA
<213> Homo sapiens

<400> 2
cgtggcggag ggactgggga cccgggcacc cgtcctgccc cttcaccttc cagctccgcc 60
tcctccgcgc ggaccccgcc ccgtcccgac ccctcccggg tccccggccc agccccctcc 120
gggccctccc agcccctccc cttcctttcc gcggccccgc cctctcctcg cggcgcgagt 180
ttcaggcagc gctgcgtcct gctgcgcacg tgggaagccc tggccccggc caccccgc 239


<210> 3
<211> 245
<212> DNA
<213> Homo sapiens

<400> 3
ccccacgtgg cggagggact ggggacccgg gcacccgtcc tgcccctttca ccttccagct 60
ccgcctcctc cgcgcggacc ccgccccgtc ccgacccctc ccgggtcccc ggcccagccc 120
cctccgggcc ctcccagccc ctcccccttcc tttccgcggc cccgccctct cctcgcggcg 180
cgagtttcag gcagcgctgc gtcctgctgc gcacgtggga agccctggcc ccggccaccc 240
ccgcg                                                              245


<210> 4
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      primer

<400> 4
gcaagaaggc cacagaggta ct                                           22
```

<210> 5
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      primer

<400> 5
gattgccagg tgaacatcac catc   24

<210> 6
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      primer

<400> 6
catgctgcta gccatgcggt tatcaaggag cc   32

<210> 7
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      primer

<400> 7
ttggatatcg acgttcagcc gccttccaa   29

<210> 8
<211> 270
<212> DNA
<213> Homo sapiens

<400> 8
tggtaccatc cggacaaagc ctgcgcgcgc cccgccccgc cattggccgt accgccccgc 60
gccgccgccc catcccgccc ctcgccgccg ggtccggcgc gttaaagcca ataggaaccg 120
ccgccgttgt tcccgtcacg gccgggggcag ccaattgtgg cggcgctcgg cggctcgtgg 180
ctctttcgcg gcaaaaagga tttggcgcgt aaaagtggcc gggactttgc aggcagcggc 240
ggccgggggc ggagcgggat cgagccctcg   270